

**Abstract**

[0095] A lens is provided that having optical parameters that may be adjusted in-situ, and is particularly useful as an IOL for use in cataract patients that require an adjustment in the optical power of the lens post-implantation. In one embodiment, the lens body carries an array of interior fluid-filled cells in which fluid is controllably moved upon application of energy from an external source to move a fluid media into or out of the cells to thereby alter the lens surface shape.